

**APRIL/MAY 2024**

**CEMB54B — HUMAN ANATOMY AND  
PHYSIOLOGY**

**Time : Three hours**

**Maximum : 75 marks**



**SECTION A — (10 × 2 = 20 marks)**

**Answer ALL questions.**

1. What is Adam's apple?
2. Define cochlea.
3. What is oesophagus?
4. Define gall bladder.
5. Define phalanges.
6. What are glial cells?
7. Define Blood.
8. Define endocrine glands.
9. Define spermatogenesis.
10. Define nephron.

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Write a short account on functions of skin.

Or

- (b) Give an account on the sensory functions of eye.

12. (a) Comment on the importance of salivary glands.

Or

- (b) List out the functions of pancreas.

13. (a) Discuss in brief about the functions of the skeleton.

Or

- (b) Describe the structure of neurons with a neat diagram.

14. (a) Explain the formation of blood and its functions.

Or

- (b) Give a note on the composition of blood.

15. (a) Briefly explain about the process of menstrual cycle.

Or

- (b) Write a short note on the different organs and functions of urinary system.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Write an essay on the different organs of respiratory system.

17. Give a detailed account on the Liver.

18. Discuss in detail about the different organs and functions of central nervous system.

19. Write an elaborate account on the endocrine system.

20. Describe the mechanism of urine formation and its composition in detail.

